

AMENDMENTS TO THE CLAIMS

Claim 1 (currently amended): A lens drive device comprising:
a movable lens body provided with a lens{[]};
a drive means for moving the movable lens body in an optical axis direction of the lens{[]};
and
a fixing body which movably supports the movable lens body in the optical axis direction,
such that the lens body moves with respect to the fixing body in the optical axis direction;
wherein the movable lens body is comprised of a lens-barrel provided with a lens and a lens-barrel holder which movably supports the lens-barrel with respect to the lens-barrel holder in the optical axis direction{[]};
wherein the lens-barrel holder comprises a first magnetic means as the drive means{[]};
wherein the fixing body comprises a second magnetic means as the drive means and a regulating part which regulates a moving range in the optical axis direction of the lens-barrel holder and an imaging element where an image passing through the lens is formed{[]};
wherein the lens-barrel holder is formed in a cylindrical shape and a female screw part is formed on its inner periphery, and a male screw part is formed on an outer periphery of the lens-barrel and the male screw part is threadedly engaged with the female screw part and the lens-barrel is moved with respect to the lens-barrel holder in the optical axis direction by relatively turning the lens-barrel holder with respect to the lens-barrel;
wherein the lens-barrel is relatively moved with respect to the lens-barrel holder in the optical axis direction through screw engagement so that a focus between the lens provided in the lens-barrel and the imaging element is adjusted while positional relationship between the first magnetic means of the lens-barrel holder and the second magnetic means of the fixing body is maintained{[]}; and
wherein the movable lens body is moved, with respect to the fixing body in the optical axis direction, by a magnetic attractive force or a magnetic repulsive force between the first magnetic means and the second magnetic means.

Claim 2 (currently amended): The lens drive device according to ~~claim 1~~, Claim 1;

wherein the lens-barrel holder is formed in a cylindrical shape and a female screw part is formed on its inner periphery, and a male screw part is formed on an outer periphery of the lens-barrel and the male screw part is threadedly engaged with the female screw part, and the lens-barrel is moved in the optical axis direction by relatively turning the lens-barrel holder with respect to the lens-barrel, the movable lens body is moved between a normal photographing position and a macro-photography position.

Claim 3 (previously presented): A manufacturing method for manufacturing a lens drive device comprising:

preparing a case body as the fixing body in which the movable lens body is accommodated inside of the case body, the case body being structured to be capable of being divided into at least two portions such that respective portions are formed as half case bodies; abutting the lens-barrel holder with an abutting part as the regulating part which is provided in one of the half case bodies; relatively moving the one of the half case bodies and the other half case body in the optical axis direction such that a spacer is sandwiched between an abutting part as the regulating part provided in the other half case body and the lens-barrel holder; fixing the one of the half case bodies and the other half case body each other; and pulling out the spacer.

Claim 4 (previously presented): A manufacturing method for manufacturing a lens drive device comprising:

preparing a case body as the fixing body in which the movable lens body is accommodated inside of the case body, the case body being structured to be capable of being divided into at least two portions such that respective portions are formed as half case bodies; providing abutting parts as the regulating parts for interposing the lens-barrel holder on one of the half case bodies and the other half case body respectively; adjusting a gap space between the abutting parts; fixing the one of the half case bodies and the other half case body each other;

fixing an imaging element where an image transmitted through the lens is image-formed to the half case body; and
relatively moving the lens-barrel and the lens-barrel holder in the optical axis direction to adjust a focus of the lens to the imaging element.

Claim 5 (new): The lens drive device according to Claim 2;
wherein the first magnetic means and the second magnetic means are a drive magnet and a drive coil respectively.

Claim 6 (new): The lens drive device according to Claim 1;
wherein the fixing body includes a first divided case body and a second divided case body which are integrated with each other;
wherein the first divided case body is formed with a first abutting part with which the lens-barrel holder is capable of abutting; and
wherein the second divided case body is formed with a second abutting part with which the lens-barrel holder is capable of abutting; and
wherein the regulating part includes the first abutting part and the second abutting part.